

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing Of Claims:

- 1.-11. (Canceled)
12. (New) A smoke detector, comprising:
an image sensor; and
a light source, wherein:
the image sensor records a presence of smoke at a close distance, and
the light source can be activated when ambient light is insufficient for the image sensor.
13. (New) The smoke detector as recited in Claim 12, wherein:
the smoke detector recognizes an intensity of the ambient light based on a signal from the image sensor.
14. (New) The smoke detector as recited in Claim 12, further comprising:
an ambient light sensor for measuring an intensity of the ambient light.
15. (New) The smoke detector as recited in Claim 12, wherein:
the image sensor is configured for monitoring at a distance of 5-20 cm.
16. (New) The smoke detector as recited in Claim 12, wherein:
the image sensor is disposed in a labyrinth.
17. (New) The smoke detector as recited in Claim 12, wherein:
the light source includes a light-emitting diode.
18. (New) The smoke detector as recited in Claim 12, further comprising:
an arrangement for mounting flush on one of a wall and a ceiling.
19. (New) The smoke detector as recited in Claim 12, wherein:
the image sensor includes a miniature camera.
20. (New) The smoke detector as recited in Claim 12, wherein:
a field of vision of the image sensor one of points downward and points at an angle toward a side from a detector cover.

21. (New) The smoke detector as recited in Claim 12, further comprising:
a cover; and
an optical system for focusing on a focal point about 10 cm on the cover.
22. (New) The smoke detector as recited in Claim 12, wherein:
the image sensor generates a reference image for subsequent comparisons at
specified times.